Listing of Claims:

Claims 1-12 (withdrawn)

Claim 13 (currently amended): A light emitting diode having a plated substrate with a mirror, comprising:

a permanent metal substrate;

a mirror formed on said permanent metal substrate;

an LED epitaxial structure formed on said mirror, and sequentially comprising a second cladding layer, an active layer, a first cladding layer, a window and a metal contact layer, wherein said second cladding layer is partially exposed;

a first electrode formed on said metal contact layer; and a second electrode formed on said exposed second cladding layer; a mirror formed beneath said LED epitaxial structure; and a permanent metal substrate plated beneath said mirror.

Claim 14 (original): The light emitting diode as claimed in claim 13, wherein said LED epitaxial structure is made from a material selected from the group consisting of Ga_xAl_yIn_{1-x-y}N, (Al_xGa_{1-x})_yIn_{1-y}P, In_xGa_{1-x}As, ZnS_xSe_{1-x}; wherein 0≤x≤1, 0≤y≤1.

Claim 15 (original): The light emitting diode as claimed in claim 13 further comprising a transparent conductive film between said first electrode and said metal contact layer.

Claim 16 (canceled)

Claim 17 (canceled)

Claim 18 (original): The light emitting diode as claimed in claim 13, wherein said mirror is made from a composite of a metal with a low refractivity and an

- insulating layer with a high refractivity, and said insulating layer is adjacent to said LED epitaxial structure.
- Claim 19 (original): The light emitting diode as claimed in claim 18, wherein said composite is selected from the group consisting of Al/Al₂O₃, Al/SiO₂, Al/MgF₂, Pt/Al₂O₃, Pt/SiO₂, Pt/MgF₂, Al/Al₂O₃, Al/SiO₂, Al/MgF₂, Au/Al₂O₃, Au/SiO₂, Au/MgF₂, Ag/Al₂O₃, Ag/SiO₂, Ag/MgF₂.
- Claim 20 (new): The light emitting diode as claimed in claim 14, wherein said LED epitaxial structure is made from (Al_xGa_{1-x})_yIn_{1-y}P; wherein 0≤x≤1, 0≤y≤1; and said mirror is made from a material selected from the group consisting of Ag, Au, Au/Zn, Au/Be, Au/Ge, Au/Ge/Ni and Zn, or mixtures thereof.
- Claim 21 (new): The light emitting diode as claimed in claim 13, wherein said LED epitaxial structure is made from Ga_xAl_yIn_{1-x-y}N; wherein 0≤x≤1, 0≤y≤1; and said mirror is made from a material selected from the group consisting of Ag, Pt, Pd, Al, and Ni, or mixtures thereof.
- Claim 22 (new): The light emitting diode as claimed in claim 13, wherein said LED epitaxial structure is made from In_xGa_{1-x}As; wherein 0≤x≤1, 0≤y≤1; and said mirror is made from a material selected from the group consisting of Ag, Au, Au/Zn, Au/Be, Au/Ge, Au/Ge/Ni and Zn, or mixtures thereof.
- Claim 23 (new): The light emitting diode as claimed in claim 13, wherein said LED epitaxial structure is made from ZnS_xSe_{1-x}; wherein 0≤x≤1, 0≤y≤1; and said mirror is made from a material selected from the group consisting of Ag, Pt, Pd, Au/Zn, Au/Be, Au/Ge, Au/Ge/Ni, Al and Ni, or mixtures thereof.
- Claim 24 (new): The light emitting diode as claimed in claim 13, wherein said LED epitaxial structure is made from $(Al_xGa_{1-x})_yIn_{1-y}P$; wherein $0 \le x \le 1$, $0 \le y \le 1$, and said mirror is made from Ag.

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Claim 25 (new): The light emitting diode as claimed in claim 13, wherein said LED epitaxial structure is made from $(Al_xGa_{1-x})_yIn_{1-y}P$; wherein $0 \le x \le 1$, $0 \le y \le 1$, and said mirror is made from a composite of Al/Al_2O_3 .